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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants(s) : ANDERSEN et al.
U.S. Serial No.: 09/872,505
Filing Date : June 1, 2001
For : NUCLEIC ACID FRAGMENTS DERIVED FROM M.
TUBERCULOSIS
Art Unit : 1645

745 Fifth Avenue,
New York, NY 10151

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Date of Deposit: March 18, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents, Washington, DC 20231.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Further to the Information Disclosure Statement filed on February 3, 2003, the Commissioner's attention is respectfully directed to the enclosed documents which are set forth on the accompanying form PTO-1449. As this Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits, it is believed that no fee is required for

entry of this paper. However, the Commissioner is hereby authorized to charge any such fee, or credit any overpayment to Deposit Account 50-0230.

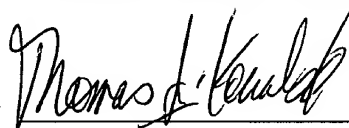
The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Applicants respectfully request that the Examiner considers and make of record the documents cited herewith and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP

By:



Thomas J. Kowalski

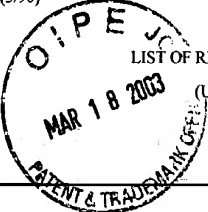
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Sheet 1 of 2

Based on Form PTO-1449 (3/90)		MAR 25 2003		ATTY. DOCKET NO. 670001-2002.6		SERIAL NO. 09/872,505	
 TECH CENTER 1600/2900 LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT ANDERSEN ET AL.			
				FILING DATE June 1, 2001		GROUP 1645	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AB						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AC			Andersen, P. et al., June 1991, Proteins released from Mycobacterium Tuberculosis during growth, Infect. Immun. 59(6): 1905-1910			
	AD			Baldwin, S.L. et al., June 1998, Evaluation of new vaccines in the mouse and guinea pig model of tuberculosis, Infect. Immun. 66(6):2951-2959			
	AE			Boesen, H. et al., April 1995, Human T-cell responses to secreted antigen fractions of Mycobacterium tuberculosis, Infect. Immun. 63(4): 1491-1497			
	AF			Brandt et al., 1996, Key epitopes on the ESAT-6 antigen recognized in mice during the recall of protective immunity to Mycobacterium tuberculosis, J. Immunol. 157:3527-3533			
	AG			Brandt L. et al., February 2000, ESAT-6 subunit vaccination against Mycobacterium tuberculosis, Infect. Immun. 68:791-795			
	AH			Cole, S.T. et al., June 1998, Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Nature 393:537-544			
	AI			Horwitz et al., February 1995, Protective immunity against tuberculosis induced by vaccination with major extracellular proteins of Mycobacterium tuberculosis, Proc. Natl. Acad. Sci. USA 92:1530-1534			
	AJ			Olsen A.W. et al., June 2000, Efficient protection against Mycobacterium tuberculosis by vaccination with a single subdominant epitope from the ESAT-6 antigen, Eur J. Immunol. 30(6):1724-1732			
	AK			Ravn, P. et al., March 1999, Human T Cell responses to ESAT-6 antigen from Mycobacterium tuberculosis, J. Infect. Dis. 179:637-645			
	AL			Roche, P.W. et al. December 1994, T-cell determinants and antibody binding sites on the major mycobacterial secretory protein MPB59 of Mycobacterium bovis, Infect. Immun. 62(12):5319-5326			
	AM			Rosenkrands, I., et al., Identification and characterization of a 29-kilodalton protein from Mycobacterium tuberculosis culture filtrate recognized by mouse memory effector cells, Infect. Immun. 66(6): 2728-2735			
	AN			Skjot, R.L.V., et al., January 2000, Comparative evaluation of low-molecular-mass proteins from Mycobacterium tuberculosis identifies members of the ESAT-6 family as immunodominant T-cell antigens, Infect. Immun. 68(1):214-220			
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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Sheet 2 of 2

Based on Form PTO-1449 (3/90)		<p>TECH CENTER 1600/2900</p> <p>MAR 18 2003</p> <p>TRADEMARK OFFICE</p>		ATTY. DOCKET NO. 670001-2002.6		SERIAL NO. 09/872,505	
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AC						
	AD						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AE	✓		Stryhn, A., et al., 1996, Peptide binding specificity of major histocompatibility complex class I resolved into an array of apparently independent subspecificities: quantitation by peptide libraries and improved prediction of binding, Eur. J. Immunol. 26:1911-1918			
	AF	✓		Ulrichs, T. et al., 1998, Differential T cell responses to Mycobacterium tuberculosis ESAT6 in tuberculosis patients and healthy donors, Eur. J. Immunol. 28:3949-3958			
	AG	✓		P. Andersen et al., Identification of Immunodominant antigens during infection with mycobacterium tuberculosis, J. Immunol, 36, 823-831, 1992			
	AH	✓		Peter Andersen et al., Proteins released from mycobacterium tuberculosis during growth, Infection and Immunity, June 1991, vol. 59, no. 6, p. 1905-1910			
	AI	✓		Peter Andersen et al., Specificity of a protective memory immune response against mycobacterium tuberculosis, Infection and Immunity, March 1993, vol. 61, no. 3, p. 844-851			
	AJ	✓		Peter Andersen et al., T-cell proliferative response to antigens secreted by mycobacterium tuberculosis, Infection and Immunity, April 1991, vol. 59, no. 4, p. 1558-1563			
	AK	✓		Kris Huygen et al., Spleen cell cytokine secretion in mycobacterium bovis BCG-infected mice, infection and immunity, July 1992, vol. 60, no. 7, p. 2880-2886			
	AL	✓		Christiane Abou-Zeid et al., Characterization of fibronectin-binding antigens released by mycobacterium tuberculosis and mycobacterium bovis BCG, Infection and Immunity, Dec. 1988, vol. 56, no. 12, p. 3046-3051			
	AM	✓		Martine Borremans et al., Cloning sequence determination, and expression of a 32- kilodalton-protein gene of mycobacterium tuberculosis, Infection and Immunity, Oct. 1989, vol. 57, no. 10, p. 3123-3130			
	AN	✓		Peter Andersen, Effective vaccination of mice against mycobacterium tuberculosis infection with a soluble mixture of secreted mycobacterial proteins, Infection and Immunity, June 1994, vol. 62, no. 6			
	AO	✓		Nagai et al., Isolation and partial characterization of major protein antigens in the culture fluid of mycobacterium tuberculosis, Infection and Immunity, January 1991, vol. 59, no. 1, p. 372-382			
	AP						
EXAMINER				DATE CONSIDERED			
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							